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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/081,309**

**DATE: 06/11/2002**  
**TIME: 14:59:36**

**Input Set : A:\20859SeqListing.txt**  
**Output Set: N:\CRF3\06112002\J081309.raw**

**ENTERED**

3 <110> APPLICANT: Hoffmann-La Roche Inc.  
 5 <120> TITLE OF INVENTION: PEG Conjugates of NK4  
 7 <130> FILE REFERENCE: 20859  
 9 <140> CURRENT APPLICATION NUMBER: US 10/081,309  
 C--> 10 <141> CURRENT FILING DATE: 2002-06-04  
 12 <160> NUMBER OF SEQ ID NOS: 2  
 14 <170> SOFTWARE: PatentIn version 3.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 1344  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: homo sapiens  
 21 <400> SEQUENCE: 1  
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 24 aaaatagatc cagcaactgaa gataaaaacc aaaaaagtga atactgcaga ccaatgtgct 120  
 26 aatagatgta ctaggaataa aggacttcca ttcaacttgc aaggctttgt ttttgataaa 180  
 28 gcaagaaaaac aatgcctctg gttccccttc aatagcatgt caagtggagt gaaaaaaagaa 240  
 30 ttggccatg aatttgacct ctatgaaaac aaagactaca tttagaaactg catcattgg 300  
 32 aaaggacgca gctacaaggg aacagtatct atcactaaga gtggcatcaa atgtcagccc 360  
 34 tgagttcca tgataaccaca cgaacacacg ttttgcctt cgagctatcg gggtaaagac 420  
 36 ctacaggaaa actactgtcg aatcctcga ggggaagaag ggggaccctg gtgttcaca 480  
 38 agcaatccag aggtacgcta cgaagtctgt gacattcctc agtgttcaga agttaatgc 540  
 40 atgacacctgca atggggagag ttatcgaggt ctcatggatc atacagaatc aggcaagatt 600  
 42 tgtcagcgct gggatcatca gacaccacac cggcacaaat tcttgcctga aagatatccc 660  
 44 yacaagggct ttgatgataa ttattgccgc aatcccgtat gccagccgag gccatgggtgc 720  
 46 tatactcttg accctcacac ccgctggag tactgtgcaat ttaaaaacatcg cgctgacaat 780  
 48 actatgaatg acactgatgt tcctttggaa acaactgaat gcatccaagg tcaaggagaa 840  
 50 ggctacaggg gcaactgtcaa taccatttgg aatggaaattc catgtcagcg ttggattct 900  
 52 cagtatcctc acgagcatga catgactctt gaaaatttca agtgcagga cctacagaa 960  
 54 aattactgcc gaaatccaga tggctctgaa tcaccctgggt gttttaccac tgatccaaac 1020  
 56 atccgagttg gctactgctc ccaaattcca aactgtgata tgtcacatgg acaagattgt 1080  
 58 tatcqgtggaa atggcaaaaa ttatatggc aacttatccc aaacaagatc tggactaaca 1140  
 60 tggtaatgt gggacaagaa catgaaagac ttacatcgatc atatcttctg ggaaccagat 1200  
 62 gcaaqtaagc tgaatgagaa ttactgccga aatccagatg atgatgctca tggaccctgg 1260  
 64 tgcatacacgg gaaatccact cattccttgg gattattgcc ctatttctcg ttgtgaaggt 1320  
 66 gataccacac ctacaatagt ctaa 1344  
 69 <210> SEQ ID NO: 2  
 70 <211> LENGTH: 447  
 71 <212> TYPE: PRT  
 72 <213> ORGANISM: homosapiens  
 74 <400> SEQUENCE: 2  
 76 Gln Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys  
 77 1 5 10 15  
 80 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys

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81	20	25	30	
84	Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly			
85	35	40	45	
88	Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln			
89	50	55	60	
92	Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu			
93	65	70	75	80
96	Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn			
97	85	90	95	
100	Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr			
101	100	105	110	
104	Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu			
105	115	120	125	
108	His Ser Phe Leu Pro Ser Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn			
109	130	135	140	
112	Tyr Cys Arg Asn Pro Arg Gly Glu Glu Gly Gly Pro Trp Cys Phe Thr			
113	145	150	155	160
116	Ser Asn Pro Glu Val Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser			
117	165	170	175	
120	Glu Val Glu Cys Met Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met			
121	180	185	190	
124	Asp His Thr Glu Ser Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr			
125	195	200	205	
128	Pro His Arg His Lys Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe			
129	210	215	220	
132	Asp Asp Asn Tyr Cys Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys			
133	225	230	235	240
136	Tyr Thr Leu Asp Pro His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr			
137	245	250	255	
140	Cys Ala Asp Asn Thr Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr			
141	260	265	270	
144	Glu Cys Ile Gln Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr			
145	275	280	285	
148	Ile Trp Asn Gly Ile Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His			
149	290	295	300	
152	Glu His Asp Met Thr Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu			
153	305	310	315	320
156	Asn Tyr Cys Arg Asn Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr			
157	325	330	335	
160	Thr Asp Pro Asn Ile Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys			
161	340	345	350	
164	Asp Met Ser His Gly Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr			
165	355	360	365	
168	Met Gly Asn Leu Ser Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp			
169	370	375	380	
172	Asp Lys Asn Met Glu Asp Leu His Arg His Ile Phe Trp Glu Pro Asp			
173	385	390	395	400
176	Ala Ser Lys Leu Asn Glu Asn Tyr Cys Arg Asn Pro Asp Asp Ala			
177	405	410	415	

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180 His Gly Pro Trp Cys Tyr Thr Gly Asn Pro Leu Ile Pro Trp Asp Tyr  
181 420 425 430  
184 Cys Pro Ile Ser Arg Cys Glu Gly Asp Thr Thr Pro Thr Ile Val  
185 435 440 445

**VERIFICATION SUMMARY**

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date